

ABSTRACT OF THE DISCLOSURE

An eyepiece optical member introduces into an exit pupil an observation image formed by an observation image forming member. The eyepiece optical member is configured so that a first prism that has a first entrance surface, a reflecting surface and a first exit surface arranged with a first prism medium between and a second prism that has a second entrance surface and a second exit surface arranged with a second prism medium between are joined to each other via a hologram element interposed between the first exit surface and the second entrance surface. The reflecting surface is shaped as a concave surface to give a positive power for rays reflected therefrom. The first entrance surface and the second exit surface are shaped as curved surfaces, respectively, to give a power for rays transmitted therethrough. Whereby, an observation optical system that allows a displayed image to be bright as observed, is easily assembled, is insusceptible to vibration or impact, is lightweight and compact, and allows, in addition, a displayed image to be observed upon aberrations being compensated in good condition, and an apparatus using the same can be provided.